

US-PAT-NO: 4689289

DOCUMENT-IDENTIFIER: US 4689289 A

TITLE: Block polymer compositions

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Some of the acid labile groups included by Z are, for example, isopropyl, isobutyl, t-butyl, trimethylsilyl and t-butoxycarbonyloxy. Acid labile groups included by Y are Z groups and benzyl, .alpha.-methylbenzyl, t-butyl and .alpha.,.alpha.-dimethylbenzyl.

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L Number	Hits	Search Text	DB	Time stamp
36	10	EP-789278-\$.DID. EP-794458-\$.DID. WO-9733198-\$.DID. EP-880074-\$.DID. EP-930541-\$.DID.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:15
37	63	((NORBORNENE NORBORNYLENE) AND ((OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:51
38	4	((("5212043") or ("6132926"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:52
39	71	OPEN\$3 NEAR5 RING AND (((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:54
40	40	((OPEN\$3 NEAR5 RING AND (((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST))) ) not (((("5212043") or ("6132926"))).PN.) ((NORBORNENE NORBORNYLENE) AND ((OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:55
43	703	(acid adj labile) same (sec-butyl butyl)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 19:58
44	27	((acid adj labile) same (sec-butyl butyl) ) not (t-butyl tbutyl tert-butyl tertbutyl ((tert t) adj butyl))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 19:56
45	41	(acid adj labile) same (isobutyl iso-butyl)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 19:58
-	2	(optical adj density adj changing) near layer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:29
-	9	(optical adj density adj changing)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/22 17:12
-	7	((optical adj density adj changing) ) not ((optical adj density adj changing) near layer )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/22 17:19
-	1	jp-2002115018-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 15:47
-	1	jp-2002136981-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 15:49
-	2	jp-2002122992-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 15:53
-	0	wo-2001079324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 15:53
-	1	wo-200179324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:04
-	2	jp-2001027803-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:07

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-	2	("6372854").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:08
-	9	jp-2002115018-\$.did. jp-2002136981-\$.did. jp-2002122992-\$.did. wo-2001079324-\$.did. wo-20010079324-\$.did. wo-200179324-\$.did. jp-2001027803-\$.did. (("6372854").PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:39
-	13	((("5053471") or ("5202388") or ("6147249") or ("6187504") or ("6322949") or ("6284429") or ("6136499")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:40
-	1	us-20020102493-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:43
-	1	us-20020061463-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:43
-	1	us-20020136982-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:43
-	2	us-20020004178-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:44
-	1	us-20020146638-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:44
-	6	us-20020102493-\$.did. us-20020061463-\$.did. us-20020136982-\$.did. us-20000004569-\$.did. us-200004569-\$.did. us-20000004569-\$.did. us-20004569-\$.did. us-20000004569-\$.did. us-20020004178-\$.did. us-20020146638-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:45
-	19	(us-20020102493-\$.did. us-20020061463-\$.did. us-20020136982-\$.did. us-20000004569-\$.did. us-200004569-\$.did. us-20000004569-\$.did. us-20004569-\$.did. us-20000004569-\$.did. us-20020004178-\$.did. us-20020146638-\$.did.) (((("5053471") or ("5202388") or ("6147249") or ("6187504") or ("6322949") or ("6284429") or ("6136499")).PN.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/29 16:46
-	411	LEE-GENU-SU LEE-GEUN-SOO LEE-GEUN-SUJUNG-J JUNG-JAE JUNG-JAE-CHANG KIM-HYEONG-S KIM-HYEONG-SOO KIM-HYEONG-SOOK BAIK-K BAIK-KI-HO BAIK-K-H JUNG-MIN-HO JUNG-M-H	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:44
-	285	(LEE-GENU-SU LEE-GEUN-SOO LEE-GEUN-SUJUNG-J JUNG-JAE JUNG-JAE-CHANG KIM-HYEONG-S KIM-HYEONG-SOO KIM-HYEONG-SOOK BAIK-K BAIK-KI-HO BAIK-K-H JUNG-MIN-HO JUNG-M-H) and (resist photoresist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/11/07 18:36
-	76	((LEE-GENU-SU LEE-GEUN-SOO LEE-GEUN-SUJUNG-J JUNG-JAE JUNG-JAE-CHANG KIM-HYEONG-S KIM-HYEONG-SOO KIM-HYEONG-SOOK BAIK-K BAIK-KI-HO BAIK-K-H JUNG-MIN-HO JUNG-M-H) and (resist photoresist)) and (norborn\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:44
-	97	((LEE-GENU-SU LEE-GEUN-SOO LEE-GEUN-SUJUNG-J JUNG-JAE JUNG-JAE-CHANG KIM-HYEONG-S KIM-HYEONG-SOO KIM-HYEONG-SOOK BAIK-K BAIK-KI-HO BAIK-K-H JUNG-MIN-HO JUNG-M-H) and (resist photoresist)) and (norborn\$5 alicyclic bicyclic polycyclic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/11/07 18:38
-	1093	NORBORNENE SAME (MALEIC ADJ ANHYDRIDE)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:45

-	0	(NORBORNENE SAME (MALEIC ADJ ANHYDRIDE)) SAME (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:48
-	1098	(NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 11:46
-	0	((NORBORNENE SAME (MALEIC ADJ ANHYDRIDE)) SAME (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))) SAME (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:48
-	0	((NORBORNENE SAME (MALEIC ADJ ANHYDRIDE)) SAME (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))) AND (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:49
-	0	((NORBORNENE SAME (MALEIC ADJ ANHYDRIDE)) SAME (POTASSIUM ADJ (T-BUTOXIDE TERT-BUTOXIDE TBUTOXIDE TERTBUTOXIDE))) AND (ESTERIZING ACETALIZING)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:49
-	354	((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:49
-	101756	OPEN\$3 NEAR5 RING	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:57
-	71	((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST)) AND (OPEN\$3 NEAR5 RING)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 10:57
-	71	OPEN\$3 NEAR5 RING AND ((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 18:54
-	0	20020018960.URPN.	USPAT	2003/05/08 11:24
-	596	OPEN\$3 NEAR5 RING SAME (MALEIC ADJ ANHYDRIDE)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 11:25
-	32	((NORBORNENE NORBORNYLENE) AND ((OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE))) NOT (OPEN\$3 NEAR5 RING AND ((NORBORNENE NORBORNYLENE) SAME (MALEIC ADJ ANHYDRIDE)) AND (PHOTORESIST RESIST)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 11:47
-	596	(OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 12:16
-	596	(OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 12:17
-	412	(OPEN\$3 NEAR5 RING) SAME (MALEIC ADJ ANHYDRIDE)	USPAT	2003/05/08 13:23
-	15	((("2002173680") or ("6482565") or ("2002160302") or ("2002155380") or ("6406828") or ("2002009668") or ("6159655")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 13:25
-	2	("6159655").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 15:30
-	16	n-decyl adj disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 16:48

-	16	decyl adj disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 16:48
-	2	("6455226").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/08 16:54
-	30	phthalimidotrifluoromethane adj sulfonate) (dinitrobenzyltosylate) (n-decyl adj disulfone) (naphthylimido adj trifluoromethane adj sulfonate) (decyl adj disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:30
-	13745	(\$5acid near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:32
-	18	(phthalimidotrifluoromethane adj sulfonate) (dinitrobenzyltosylate) (n-decyl adj disulfone) (naphthylimido adj trifluoromethane adj sulfonate) (decyl adj disulfone) same ((\$5acid near generat\$3) )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:36
-	12	(phthalimidotrifluoromethane adj sulfonate) (dinitrobenzyltosylate) (n-decyl adj disulfone) (naphthylimido adj trifluoromethane adj sulfonate) (decyl adj disulfone) not ((phthalimidotrifluoromethane adj sulfonate) (dinitrobenzyltosylate) (n-decyl adj disulfone) (naphthylimido adj trifluoromethane adj sulfonate) (decyl adj disulfone) same ((\$5acid near generat\$3) )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:48
-	16	n-decyl near disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:54
-	16	decyl near disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:58
-	16	decyl adj disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:57
-	16	n-decyl near disulfone) (decyl near disulfone) (decyl adj disulfone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 11:58
-	7597	n-decyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 12:06
-	8	6159655.URPN.	USPAT	2003/05/12 13:01
-	1	"6013416".PN.	USPAT	2003/05/12 13:10
-	4	((("5212043") or ("6132926"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 13:11